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For translating PH values which appear in the literature into specific values, so that the relative magnitudes represented can be grasped, the writer keeps at hand a table, which seems likely to be of sufficient interest to others to justify its publication here. In the portion of the table where PH is greater than 7 (alkaline reactions) those desiring continuity may use the values in the specific acidity column; while those who prefer to think of such solutions as alkaline may use the values in the one so headed.

LITERATURE

(Dealing with the desirability of statements of reaction starting at the neutral point.)

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WASHINGTON, D.C. EDGAR T. WHERRY

EXTREMELY DIVERSIFIED HABITAT OF A MARINE GASTROPOD

While on the University of California Alaska Expedition in 1907 Mrs. Kate Stephens of the San Diego Society of Natural History made a collection of *Buccinum glaciale* Linnaeus in Glacier Bay. This body of water is greatly freshened through the discharge into it of large quantities of glacial ice. For the same reason the waters are chilled almost to the freezing point. The mollusks were found where there was no sea weed, and the bottom was of soft mud with the exception of the small rock upon which they were living.

Shortly afterwards the same species was found living in Bear Bay, Peril Strait. The ocean water here is relatively warm and received directly from the Japanese current. Sea weeds were growing luxuriantly.

Many marine mollusks are very susceptible to changes in salinity and temperature, and this is so notable an exception that it seems worthy of record. The shells of the animals from the two localities are about the same size and the same series of variations may be seen in each lot.

CALIFORNIA ACADEMY OF SCIENCES G. DALLAS HANNA

EARTHWORMS AND SOIL REACTION

In an interesting experiment on the influence of soil reaction on earthworms Arrhenius[1] shows that, while these animals live and propagate in a soil having a reaction of PH 6, they cannot live at a PH of 5. In the course of soil tests on Mt. Desert Island, Maine, with the Wherry method[2] vigorous earthworms were found

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[1] Arrhenius O. "Influence of Soil Reaction on Earthworms." Ecology II: 255–257, 1921. See especially the table on p. 257.

[2] Wherry E. T. "Soil Acidity and a Field Method for Its Measurement." Ecology I: 160–173, 1920.